Angel-Antonio San-Blas

List of Publications by Year
in descending order

39 papers	**340** citations	1040056 **9** h-index	888059 **17** g-index
40 all docs	**40** docs citations	**40** times ranked	**233** citing authors

#	Article	IF	Citations
1	A new hybrid mode-matching/numerical method for the analysis of arbitrarily shaped inductive obstacles and discontinuities in rectangular waveguides. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1219-1224.	4.6	49
2	Full-Wave Analysis of Dielectric Frequency-Selective Surfaces Using a Vectorial Modal Method. IEEE Transactions on Antennas and Propagation, 2004, 52, 2091-2099.	5.1	42
3	On the Fast and Rigorous Analysis of Compensated Waveguide Junctions Using Off-Centered Partial-Height Metallic Posts. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 168-175.	4.6	30
4	Three-dimensional scattering of dielectric gratings under plane-wave excitation. IEEE Antennas and Wireless Propagation Letters, 2003, 2, 215-218.	4.0	26
5	A novel band-pass filter based on a periodically drilled SIW structure. Radio Science, 2016, 51, 328-336.	1.6	26
6	A rigorous and efficient full-wave analysis of uniform bends in rectangular waveguide under arbitrary incidence. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 397-405.	4.6	19
7	Design Procedure for Bandpass Filters Based on Integrated Coaxial and Rectangular Waveguide Resonators. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4390-4404.	4.6	18
8	Full-Wave Analysis and Design of Dielectric-Loaded Waveguide Filters Using a State-Space Integral-Equation Method. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 109-120.	4.6	13
9	Band-pass filters based on periodic structures in SIW technology. AEU - International Journal of Electronics and Communications, 2019, 112, 152942.	2.9	12
10	Teaching of wave propagation phenomena using MATLAB GUIs at the Universidad Politecnica of Valencia. IEEE Antennas and Propagation Magazine, 2003, 45, 140-143.	1.4	11
11	Fast and accurate analysis and design of substrate integrated waveguide (SIW) filters. , 2007, , .		11
12	Compensated double-ridge waveguide E-plane and H-plane T-junctions. , 2015, , .		10
13	FULL-WAVE ANALYSIS AND DESIGN OF BROADBAND TURNSTILE JUNCTIONS. Progress in Electromagnetics Research Letters, 2011, 24, 149-158.	0.7	7
14	Design of compensated multiport waveguide junctions considering mechanization effects. AEU - International Journal of Electronics and Communications, 2015, 69, 328-331.	2.9	7
15	Direct computation of the admittance parameters of a cubic junction with arbitrarily shaped access ports using the BI-RME method. IET Microwaves Antennas and Propagation, 2003, 150, 111.	1.2	5
16	Wideband generalized admittance matrix representation for the analysis and design of waveguide filters with coaxial excitation. Radio Science, 2013, 48, 50-60.	1.6	5
17	Modeling of perforated SIW structures and their application to the design of step-impedance microwave filters. , 2017, , .		5
18	Analysis of the dispersion characteristics in periodic Substrate Integrated Waveguides. AEU - International Journal of Electronics and Communications, 2021, 139, 153914.	2.9	5

#	Article	IF	Citations
19	Wideband modelling of cascaded H-plane waveguide junctions using the generalised impedance matrix representation. IET Microwaves, Antennas and Propagation, 2009, 3, 580.	1.4	4
20	Novel Solution for the Coaxial Excitation of Inductive Rectangular Waveguide Filters. , 2018, , .		4
21	Study of the Multipactor Effect in Groove Gap Waveguide Technology. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2566-2578.	4.6	4
22	Two-dimensional photonic-crystal microwave waveguide. Microwave and Optical Technology Letters, 2003, 39, 243-246.	1.4	3
23	Efficient CAD of Optimal Multi-Port Junctions Loaded with Partial-Height Cylindrical Posts using the 3D BI-RME Method. , 0, , .		3
24	EFFICIENT ANALYSIS AND DESIGN OF COMPENSATED TURNSTILE JUNCTIONS USING ADVANCED MODAL TECHNIQUES. Progress in Electromagnetics Research Letters, 2009, 12, 21-30.	0.7	3
25	Wideband impedance matrix representation of passive waveguide components based on cascaded planar junctions. Radio Science, 2009, 44, .	1.6	3
26	Flexible and efficient computer-aided design tool for advanced comb-line rectangular waveguide filters. International Journal of RF and Microwave Computer-Aided Engineering, 2015, 25, 696-708.	1.2	3
27	Study of the multipactor phenomenon using a full-wave integral equation technique. AEU - International Journal of Electronics and Communications, 2017, 79, 286-290.	2.9	3
28	Compensation of the impact of low€cost manufacturing techniques in the design of E€plane multiport waveguide junctions. Radio Science, 2016, 51, 619-628.	1.6	2
29	Scattering of dielectric frequency-selective surfaces under three-dimensional plane-wave incidence. , 2004, , .		1
30	<title>Fast calculation of the Green's functions of a boxed resonator through Ewald's technique</title>. , 2004, , .		1
31	Efficient Pole Expansion of the Generalized Impedance Matrix Representation for Planar Waveguide Junctions. , 2006, , .		1
32	Highly efficient full€wave electromagnetic analysis of 3€D arbitrarily shaped waveguide microwave devices using an integral equation technique. Radio Science, 2015, 50, 642-655.	1.6	1
33	Analysis of a perforated SIW structure with a rectangular air box and its application to the design of a step-impedance microwave filter. , 2017, , .		1
34	On the Accurate Numerical Analysis of the Propagation Through Dielectric Frequency-Selective Surfaces Using a Vectorial Modal Method. Electronics (Switzerland), 2021, 10, 766.	3.1	1
35	Space mapping filter design and tuning techniques. International Journal of Microwave and Wireless Technologies, 2022, 14, 387-396.	1.9	1
36	<title>Analysis and applications of one-dimensional periodic dielectric gratings under plane wave excitation</title>. , 2004, , .		0

#	Article	IF	Citations
37	Wideband Representation of Passive Components Based on Planar Waveguide Junctions. , 0, , .		0
38	Substrate integrated waveguide hybrid coupler with integrated filter for radar applications. , 2015, , .		0
39	On the multimodal analysis and design of guided filters in circular waveguide technology. , 2016, , .		0